

Woodland Convalescent Center Pollution Risk Assessment Results

The **Woodland Convalescent Center** (PWSID 2942518) is a community water system in North Smithfield that serves an estimated 40 residents and 14 employees through 2 service connections. The water system consists of one drilled well. Water is pumped via the submersible pump to a non-pressurized tank in the tank vault. It is then pumped to four pressurized tanks in the convalescent home before being distributed to the system. The last sanitary survey was April 24, 2001. For further information contact Mary Ann Abbruzzi at 70 Woodland Road, North Smithfield, RI 02896.

The **Source Protection Area** is a circle of radius 1,750 feet, or about 220 acres (see Figure 2 on back). It is mostly wooded and wetlands with moderate to high density residential and commercial development. Developed recreational and agricultural land uses are also located in the protection area (see Table 1 on back).

Sample Summary (for the previous five years)

- ▲ Bacteria have not been detected.
- ▲ Nitrate levels in groundwater are somewhat higher than background levels, which may indicate contribution from human activity.
- ▲ No violations of the standards for other regulated contaminants have been identified. However, there have been detections below levels considered acceptable by US EPA. This indicates the need for continued monitoring.

This report summarizes assessment results for this water system. The assessment identifies both known and potential sources of pollution occurring in the source protection area, and ranks the water source based on the likelihood of future contamination. The goal of this study is to help water suppliers, local officials, residents and consumers to learn more about source water protection. Because water quality is



Susceptibility To Contamination

| Low | Moderate | High |
|-----|----------|------|
|-----|----------|------|

Note: A low rating does **NOT** mean that the source is free from contamination risk. Without sufficient protection, **ANY** water supply can become contaminated.

directly related to land use activities, everyone living or working in the source protection area has a role to play in keeping local water supplies safe.

POLLUTION RISKS:

- ▲ High-intensity residential land use is located near the well.
- ▲ Transportation corridors and several roads are located near the well, increasing the risk of hazardous material spills and road salt contamination.
- ▲ Several underground storage tanks are located inside the source protection area.

PROTECTION OPPORTUNITIES:

- ▲ The majority of the source protection area consists of undeveloped forestland.
- ▲ The town can implement land use controls and programs to protect this source protection area from high-intensity development.
- ▲ The town and supplier can encourage farmers and businesses to use best management practices in handling potential contaminants.
- ▲ Residents can follow the guidelines on the back to reduce the impact of household contaminants.

Source Water

The focus of these assessments is on public drinking water supply "source" areas—the *wellhead protection area* that recharges a well or the *watershed* that drains to a surface water reservoir. Source water is untreated water from streams, lakes, reservoirs, or underground aquifers that is used to supply drinking water.

Source Water Assessments were conducted by the R.I. Department of Health in collaboration with the University of Rhode Island Cooperative Extension (URI CE) under the Rhode Island Source Water Assessment Program. This is part of a national initiative, established under the 1996 Amendments to the Federal Safe Drinking Water Act (SDWA), to foster more comprehensive protection of drinking water supplies at the local, state, and national levels.

